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B  
concl'd
- (a) obtaining a tumor specimen;
  - (b) mechanically separating said specimen into cohesive multicellular particulates having smooth cut edges;
  - (c) growing a tissue culture monolayer from said cohesive multicellular particulates having smooth cut edges;
  - (d) inoculating cells from said monolayer into a plurality of segregated sites;
  - (e) treating said plurality of sites with at least one agent; and
  - (f) assessing chemosensitivity of the cells in said plurality of sites.
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--20. A method for preparing a biopsy sample of tissue containing malignant cells for chemosensitivity testing, comprising:

- B<sup>2</sup>
- (a) obtaining a tumor specimen;
  - (b) mechanically separating said specimen into cohesive multicellular particulates of minced tumor tissue;
  - (c) growing a tissue culture monolayer from said cohesive multicellular particulates of minced tumor tissue;
  - (d) inoculating cells from said monolayer into a plurality of segregated sites;
  - (e) treating said plurality of sites with at least one agent; and
  - (f) assessing chemosensitivity of the cells in said plurality of sites.--
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